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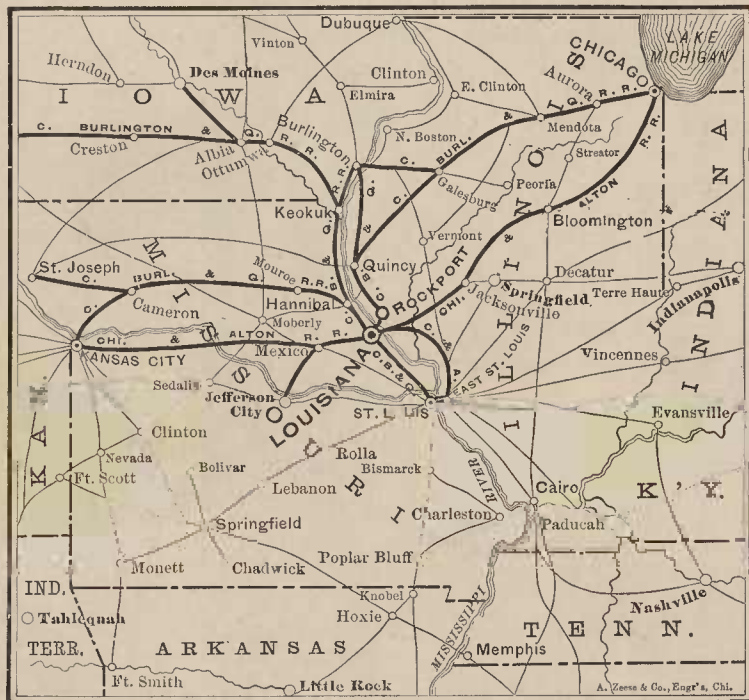


62.97

File with 1893 catalog  
Stark Bros.C S P  
NN Va  
10-15-1899

1, BEN DAVIS; 2, CHAMPION; 3, GANO; 4, SENATOR—all GRAFTED WHOLE ROOT, XX, 2-YR. (3-YR. ROOTS).  
5, SENATOR; 6, BLACK BEN DAVIS; 7, AP. COMMERCE; 8, CHAMPION—all BUDDED WHOLE ROOT, XX, 1-YR. (3-YR. ROOTS)

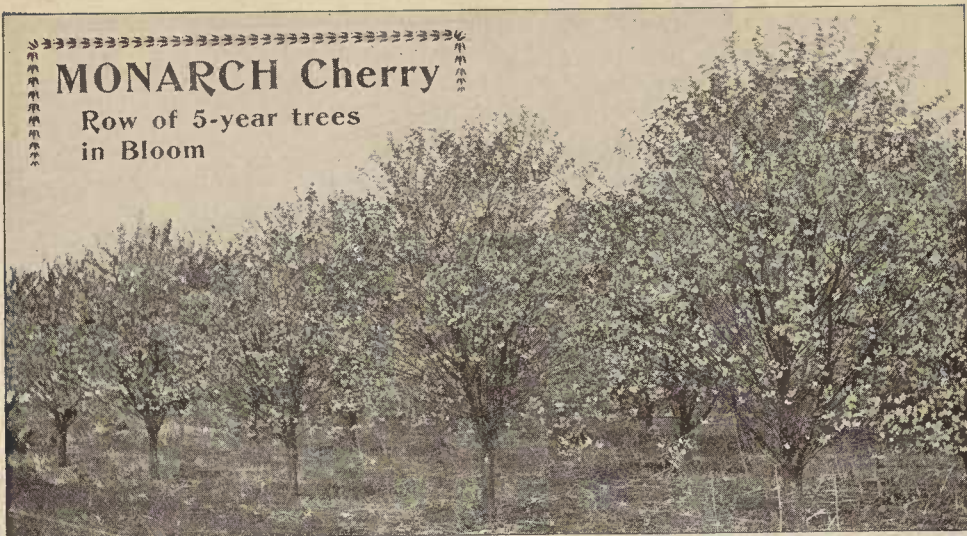
**NORTH** of St. Louis, and only 64 miles south of Keokuk, IOWA—and not “near New Orleans”—is LOUISIANA, MO.—named soon after, and in honor of, Pres’t Jefferson’s great “LOUISIANA PURCHASE.”





## MONARCH Cherry

Row of 5-year trees  
in Bloom



STARK  
NURSERY

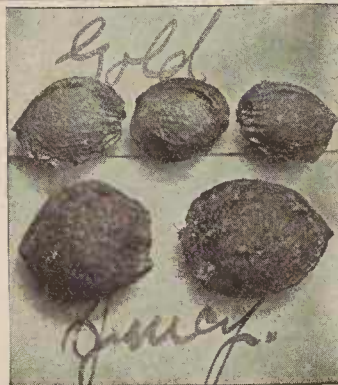
VIEW EASTWARD  
Young Apple, Pear

## GOLD Plums

—IOWA, 1899



GOLD Plum, as grown by Hon. B. A. Mathews, Marion Co., Iowa (near Des Moines), in 1899—after the hardest Winter in 30 years.



"The man who cannot tell Gold and Juicy plums apart **could not be trusted** to tell a Baldwin apple from a Rhode Island Greening. They differ in shape, **GOLD** being almost a perfect globe while Juicy is oval. They differ in time and manner of ripening, flavor and firmness of flesh. **GOLD** has a SMALL stone—Juicy one twice as large [see photo]. Trees are so **different in growth** that a **blind man or a horse** could tell the difference across a 10-acre lot,"—Luther Burbank





## PROFITS of an APPLE ORCHARD. (Judge JOHN Y. STONE, before Mills Co., Iowa, Hort. Society. Condensed.)

[Judge Stone is an experienced and most successful orchardist,—has 115,000 trees in one solid orchard.—Stark Bro's]

**A BUSINESS SUGGESTION** to the man who can plant 20 acres in apple trees: Having broken the land as for corn, he should plant heavy-bearing, winter varieties. Plant the long-lived varieties 33 (or 34) ft. by 26 ft. apart. Then double this by planting the short-lived, early-bearing, heavy-producing varieties midway; trees will then stand 16½ (or 17) by 26 ft. Then plant of the last mentioned varieties one tree in the center of each square. This tree will stand 15 (or 15½) feet from each of the four around it; about 200 trees per acre. Preserve the position of the long-lived trees for the orchard of after years, when ¾ of the trees will have been cut down.

**Now let us consider results**, making estimate strong but reasonable and then cut it down half. Ever since dealers commenced to pack apples in Mills Co., Ia., there has been no difficulty in selling winter apples for 40¢ per bushel on tree. During 1st period with 4,000 trees we ought to have the following average result:

6th yr., 1 bu. each—4,000 at 40¢, \$1,600	10th yr., 5 bu. each—20,000 at 40¢, \$8,000	14th yr., 9 bu. each—36,000 at 40¢, \$14,400
7th " 2 " 8,000 " 3,200	11th " 6 " 24,000 " 9,600	15th " 10 " 40,000 " 16,000
8th " 3 " 12,000 " 4,800	12th " 7 " 28,000 " 11,200	
9th " 4 " 16,000 " 6,400	13th " 8 " 32,000 " 12,800	
		<b>220,000 \$88,000</b>

Two thousand trees must now be removed and capacity of orchard reduced one-half with following results:

16th year, 12 bushels each—24,000 at 40¢ on tree, \$ 9,600	20th year, 16 bushels each—32,000 at 40¢ on tree, \$12,800
17th " 13 " 26,000 " " 10,400	Second period...140,000 56,000
18th " 14 " 28,000 " " 11,200	First period.....220,000 88,000
19th " 15 " 30,000 " " 12,000	<b>Total.....360,000 \$144,000</b>

**It is now time that half the remaining trees—all the short-lived varieties—should come out.** The orchardist must now get along with 50 trees per acre—the number which nine-tenths of my horticultural friends tell me they **started with**. Up to this time the trees that have been **removed**, will have yielded **235,000 bushels** and **NETTED IN CASH \$94,000 or \$4,700 PER YEAR** profit. He will have then taken and saved from the rejected trees about \$94,000 and invested it in bonds. My wide-planting friends say these 50 trees to the acre will not be as fine in form or quite as fine in vigor as if no other trees had been planted among them. I am inclined to believe this claim. But what figure will it cut when standing against the unassailable logic of **\$94,000.00**.

**Object of a Commercial Orchard** is not the symmetrical growth of individual trees—but **PROFIT**.

**Third and last period:** The remaining 50 trees per acre ought to live ten years longer and average 25 bushels per tree per year, 250,000 bu. at 40¢, \$100,000, or about as much during the last 10 years as the rejected trees earned during the preceding 15 years. **Grand Total in 30 years, 610,000 bu. at 40¢, \$244,000.**

**While these results are fairly attainable** if a high state of the art is practised, they can never be reached by a man who never cultivates trees in their early life, or never wages war on insect enemies, or who pastures his orchard at all times with heavy stock, or permits the ground to become compactly sodded or takes annual crops of hay therefrom. His orchard must receive constant care in order to meet just expectations.

**If figures are STARTLING** it is because they are large and **not** because the processes by which they are reached are unreasonable or improbable. It is with **processes as well as results** that we are dealing. For productive varieties the foregoing estimate of product is **not extravagant nor even large**. But let us **cut it down one-half**: In 30 years, 305,000 bu., sold at 40¢, \$122,000; **income for 30 years—OVER \$4,000 PER YEAR.**

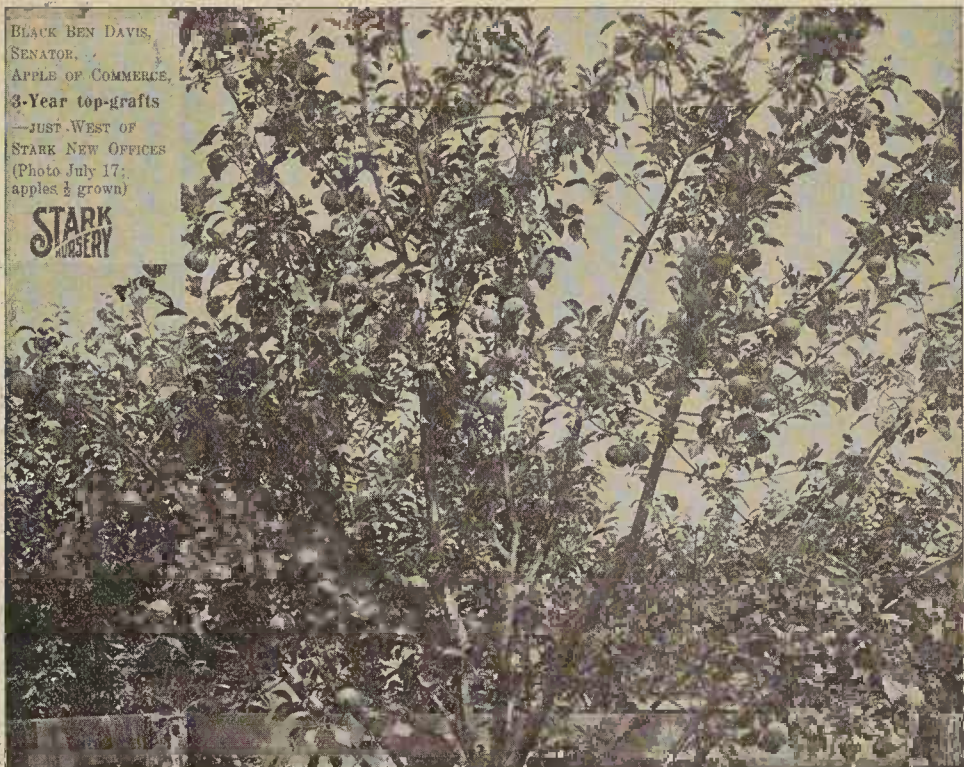
**The most cautious and conservative man** will admit the reduction of estimate to be more than enough. But then let us **CUT ESTIMATE IN TWO AGAIN**. Then we have: **Income for 30 years—OVER \$2,000 PER YEAR.**

**The most melancholy horticultural pessimist** would not ask to have the estimate cut below this. Let me ask **WHAT OTHER BUSINESS ON EARTH** holds out as much promise in profit and at the same time as much opportunity for a high order of mental entertainment and physical effort? The orchardist must live a life of intelligence, vigilance, energy, but he will find it ever interesting and agreeable.



BLACK BEN DAVIS,  
SENATOR,  
APPLE OF COMMERCE,  
3-Year top-grafts  
— JUST WEST OF  
STARK NEW OFFICES  
(Photo July 17;  
apples 2 grown)

**STARK**  
HORSERY



SEA EAGLE IMP'D,  
the past "test win-  
ter," proved surpris-  
ingly **hardy** both in  
**tree and fruit-bud.**  
Bokara No. 3 along-  
side, killed in bud  
and the wood badly  
browned; wood of  
Sea Eagle clear and  
white, scarcely a  
trace of discolora-  
tion, and a good per  
cent. of **live buds.**

A very large red-  
cheeked peach, of  
exceptionally **fine**  
**quality** and, evi-  
dently, to become  
of notable value.





Best by Test—74 YEARS. Largest annual sale.  
 High quality—Nor high price. Finest sorts. We  
 bud 4 million Apple trees, whole-root graft  
 5 million—now 1- and 2-yr. Other Trees,  
 Vines, etc., in proportion. 1400 acres Nursery  
 43,000 acres ORCHARDS.

**We PAY FREIGHT**  
 BOX and PACK free, ask No Money until  
 SAFE arrival.—Guarantee SATISFACTION  
 STARK FRUIT Book free. Write us.—Visit us

**We PAY CASH** each WEEK and want  
 MORE Home and traveling  
 salesmen. OUTFIT FREE. STARK Market and  
 Quality Kings PAY: Apple of Commerce,  
 Black Ben Davis, Champion, Delicious, Ingram,  
 Gano, Prizetaker, Sena-  
 tor, Stayman Winesap; Gold STARK LOUISIANA, MO.  
 plum; Kieffer pear; Elberta, Poole Fav., Emma peaches, etc. STARK BROS. Danville, N. Y.  
 Stark, Mo., etc.







**Largest, Best Equipped NURSERY Offices  
in the World---60 x 102 ft.**

"Visited Stark Nursery and Offices;  
a more CAREFUL, EXACT system  
of doing business  
I never saw."—  
Judge S. Miller,

STARK  
NURSERY  
Offices



STARK  
NURSERY  
LOOKING WEST. CULTIVATING  
YOUNG Grafted Apple







**STARK**  
NURSERY

LOOKING WEST.

YOUNG Peach  
IN FOREGROUND.

Cherry, Pear,  
Budded Apple,  
IN DISTANCE.



**STARK**  
NURSERY

LOOKING WEST.

YOUNG Cherry  
IN FOREGROUND.





**STARK**  
NURSERY

LOOKING EASTWARD.  
WHOLE-ROOT GRAFTED  
Apple (2-YR. in Fall).



**STARK**  
NURSERY

VIEW EASTWARD.  
YOUNG Budded and  
WHOLE-ROOT GRAFTED  
Apple. Burlington  
R.R., Mississippi River and Illinois shore.









**STARK**  
NURSERY

LOOKING  
SOUTHWARD



**BUDDED  
Apple**

(2-yr. in Fall-Photo's  
mid-summer);

PART OF A FIELD OF  
700,000  
-at STARK, MO.

**STARK**  
NURSERY





Apple, BUDDED whole root, XX, 2-yr. (4-yr. ROOTS),--HARDY trees, from rolling Upland, clay subsoil



**STARK**  
NURSERY

LOOKING EASTWARD  
RIVERSIDE and "BUFFALO KNOB"